

RE-MAPPING AND INTERLEAVING TRANSPORT PACKETS  
OF MULTIPLE TRANSPORT STREAMS FOR PROCESSING  
BY A SINGLE TRANSPORT DEMULTIPLEXOR

Abstract of the Disclosure

5 Method, system and computer products are provided for  
re-mapping and interleaving transport packets of multiple  
transport streams for processing by a single transport  
demultiplexor. The re-mapping and interleaving technique  
ensures unique identification of transport packets  
10 associated with multiple transport streams to be multiplexed  
onto a transport channel for demultiplexing by a single  
transport demultiplexor. At least one PID re-map table is  
employed having re-map values indexed by n possible PID  
values of transport packets associated with at one transport  
15 stream of the multiple transport streams. The n possible  
PID values is less than or equal to the number of PID values  
which can be handled by the single transport demultiplexor,  
and is less than all possible PID values of transport  
packets within the multiple transport streams. The PID  
20 values of transport packets within at least one transport  
stream are compared with the n possible PID values of the  
PID re-map table, and when a match is found, the table is  
indexed using the matching entry and a re-map value is  
generated therefrom. The re-map value replaces the original  
25 PID value within the transport packet to be forwarded for  
interleaving.